Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only.
RF Exposure Statement

To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 27cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Safety Warnings

Adapter
Do not use any other power adaptor except the one that accompanies this unit or a power adaptor identified in the list below. Use of another adapter could result in damage to the unit. The following power adaptor is qualified for use with this Verizon Wi-Fi Extender:

This unit must be powered by LUCENT TRANS, model 1A95 or equivalent UL listed power source rated @ output 19Vdc, Maximum 2.37A.
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Chapter 1
Introduction

This chapter includes a list of items included with the LVM1 Wi-Fi Extender, an overview of the Wi-Fi Extender’s features, and a description of the user interface and ports on the Wi-Fi Extender.

1.1 Unboxing Information

Inside the product package for the LVM1 Wi-Fi Extender, you should find the following items:

• Extender
• AC adaptor
• Ethernet cable

1.2 Key Features

• Tri-Band Wi-Fi 802.11AX capable extender to maximize throughput and coverage
• Two 1GbE ports
• Built-in mic and speaker for Alexa Voice Service
• Bluetooth for music playback

1.3 Top Panel (LEDs)

1. Touchpad

A circular touchpad is located on the top panel of the LVM1 Wi-Fi Extender. This is the main interface for setting up the Wi-Fi Extender.

Note: Please remove the clear protective film from the top before use.

2. Action Button

A touch-sensitive action button is located in the center of the touchpad on top of the Wi-Fi Extender. You can use this button to turn off alerts, wake up...
Alexa, interrupt an Alexa response, or reset the Alexa Voice Service (AVS). To reset AVS, press and hold down the button for 5 seconds.

3. Volume Adjustment Buttons

Touch-sensitive volume adjustment buttons are located on the left and right sides of the touchpad on top of the Wi-Fi Extender. The “+” button raises volume, while the “-” button lowers volume.

4. Mute Button

A touch-sensitive mute button is located near the upper edge of the touchpad above the action button.

5. Microphones

Four microphones are located on the touchpad, arranged in a square pattern to determine the direction of the user’s voice.

6. Circular LED Light

A recessed circular LED light surrounds the touchpad on top of the Wi-Fi Extender. The LED will light up in different ways to indicate the connectivity status of the Wi-Fi Extender.

### LED Notification Guide

<table>
<thead>
<tr>
<th>Function</th>
<th>Status</th>
<th>LED Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pairing (WPS / Bluetooth®)</td>
<td>Not paired to Router</td>
<td>Animation Red/Amber</td>
</tr>
<tr>
<td></td>
<td>Pairing mode active&lt;br&gt;&lt;br&gt;&lt;i&gt;If WPS fails, use an Ethernet cable to pair the Wi-Fi Extender and the 5G Home Router&lt;/i&gt;</td>
<td>Animation Blue</td>
</tr>
<tr>
<td></td>
<td>Pairing success</td>
<td>Animation Blue</td>
</tr>
<tr>
<td></td>
<td>Pairing fail</td>
<td>Animation Red</td>
</tr>
<tr>
<td>Wi-Fi and Internet</td>
<td>The Wi-Fi extender connected to Router and Internet is active, but Wi-Fi is turned Off.</td>
<td>Solid Amber</td>
</tr>
<tr>
<td>Wi-Fi quality between IDU and the Wi-Fi extender is poor.</td>
<td>Animation Yellow and white ring</td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Wi-Fi Extender connected to Router, but no Internet connection (5G node might be down)</td>
<td>Animation Red/Amerber</td>
<td></td>
</tr>
<tr>
<td>Wi-Fi Extender connected to Router, Wi-Fi and Internet working well.</td>
<td>Solid White <em>(Turns off after 30 seconds)</em></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Usual Functions</strong></th>
<th><strong>Firmware upgrade</strong></th>
<th>Fast Blink White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard reset / Reboot</td>
<td>Fast Blink White</td>
<td></td>
</tr>
<tr>
<td>Turn ON device</td>
<td>Animation White to Red/Blue</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Alexa Voice Service</strong></th>
<th><strong>Microphones on your device are turned off. Press the Microphone button to turn on the microphones.</strong></th>
<th>Solid Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>A message or notification is waiting for you. Say, &quot;Play my messages&quot; or &quot;What are my notifications?&quot;</td>
<td>Pulsing Yellow</td>
<td></td>
</tr>
<tr>
<td>Adjusting the volume level on your device.</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>Do Not Disturb is enabled for Alexa.</td>
<td>Single Flash Purple</td>
<td></td>
</tr>
</tbody>
</table>
1.4 **Back Panel**

1. **LAN Ports**

Two 1 Gbps LAN ports enable you to connect devices to the Wi-Fi Extender via Ethernet cables.

2. **Reset Pinhole**

To reset the Wi-Fi Extender to factory defaults, insert a pin into the pinhole, press down, and hold for 5 seconds.

3. **Power Jack**

Connect the AC adaptor to the Power Jack to provide power to the Wi-Fi Extender from an electrical outlet.

4. **Multi-purpose Pairing Button**

Press this button once to connect the Wi-Fi Extender to other devices via WPS or Bluetooth®.
Chapter 2
Connecting the Wi-Fi Extender

This section describes how to set up and configure your Wi-Fi Extender.

2.1 Setting up the Wi-Fi Extender

1. Unbox the Wi-Fi Extender, AC adaptor, and Ethernet cable.

2. Set up a WPS connection between the Wi-Fi Extender and the 5G Home Router by pressing their multi-purpose pairing buttons. Place them so that they are less than a meter apart to make it easier to press these buttons within the allotted 2 minutes in the WPS procedure. After the pairing is successful, the Router’s circular LED light will illuminate blue for two seconds to indicate pairing success. You can then move the Wi-Fi Extender to the location of your choice and check the LED for Wi-Fi signal strength at the chosen location.

   You may also use the WPS button in the Web User Interface to activate WPS by clicking Wi-Fi Settings > WPS, and click on the Primary Wi-Fi WPS button. Plug the AC adaptor into an electrical outlet, then connect the other end to the power jack on the back of the Wi-Fi Extender.

   Optional

   If WPS fails, you can use an Ethernet cable to connect to the 5G Home Router’s network: Plug an Ethernet cable into one of the LAN ports on the back of the Wi-Fi Extender, and plug the other end of the Ethernet cable into an Ethernet port on your 5G Home Router. The Router’s circular LED light will illuminate blue for two seconds to indicate pairing success.

2.2 Connecting Other Devices

The Wi-Fi Extender can connect to other devices via Ethernet and via wireless connection.

Ethernet

1. Take an Ethernet cable and plug one end into one of the LAN ports on the back of the Wi-Fi Extender.

2. Plug the other end of the Ethernet cable into an Ethernet port on one of the other devices.

3. Repeat these steps to connect more devices to the Wi-Fi Extender via Ethernet.
Wireless

1. Ensure that the devices you wish to connect wirelessly to the Wi-Fi Extender have Wi-Fi capability.

2. Make sure the devices are using the same SSID and password as the Wi-Fi Extender by launching each of the devices' wireless applications.

WPS

1. Press the multi-purpose pairing button on the Wi-Fi Extender.

2. Press the WPS button on a WPS-enabled device you wish to pair, making sure the device is within range of the Wi-Fi Extender.

Note: You may also use the WPS function in the Web User Interface to activate WPS by clicking Wi-Fi Settings > WPS, and click on the Primary Wi-Fi WPS button.

2.3 Pairing your mobile device and turning the Wi-Fi Extender into a Bluetooth speaker

1. Press the multi-purpose pairing button on the Wi-Fi Extender.

2. Turn on Bluetooth on your mobile device. You will then see “Verizon-5G-Home-XXXX-BT” shown on the list of Bluetooth devices available for pairing. Click on the name to establish a connection between the Wi-Fi Extender and your mobile device.

3. Check the connection result on your mobile device.

4. You can now stream music and other audio from your mobile device.
### Chapter 3
### Product Specifications

| **Wi-Fi**       | · 2.4GHz 802.11ax 2x2 MIMO                  |
|                | · 5GHz low band 802.11ax 4x4 MIMO          |
|                | · 5GHz high band 802.11ax 2x2 MIMO         |
|                | · Backward compatible with 11ac/11n/11b    |
| **IoT**        | · Bluetooth                                |
| **Memory**     | · DDR4 RAM 2GB                             |
| **Storage**    | · eMMC 8GB                                 |
| **Dimension**  | · Height: 235.8 mm                         |
|                | · Diameter: 144.0 mm                       |
| **Weight**     | · 1.4 KG                                   |
| **Connector**  | · 1GbE/100Mbps/10Mbps LAN port x 2         |
|                | · DC Jack x 1                               |
| **Button**     | · Multipurpose sync button x 1             |
|                | · Reset pinhole x 1                        |
| **Touch panel**| · Capacitive touch                         |
|                | · Multiple color LEDs                      |
| **Audio**      | · 10W/4Ω Speaker                           |
|                | · Build-in 4 Microphones for ASR           |